

CNA e-Tool User Access Guide

U.S. Department of Housing and Urban Development (HUD)
Federal Housing Administration (FHA)

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Document History

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1. Getting Started

The Capital Needs Assessment (CNA) e-Tool automates the process for the preparation, submission and review of a CNA. The CNA e-Tool home web page can be found at the following link: https://portal.hud.gov/hudportal/HUD?src=/program_offices/housing/mfh/cna

The CNA e-Tool is an application that is hosted on Secure Systems. Obtaining access to any secure system application is a two-step process consisting of authentication and authorization.

User Authentication is a process of verifying user credentials on a system level to ensure that the user has access to the system in general. User credentials are typically provided in a form of a username or user ID and a password, and are checked against an enterprise-level database such as Lightweight Directory Access Protocol (LDAP) or Active Directory (AD).

User Authorization is done on an application level to determine what application(s) and its function(s) the user is authorized to access. Authorization rights are typically set up by assigning application-specific roles and/or actions to the user ID inside the application database and are checked by the application process.

1.1 Intended Audience

This document is intended to serve as a user access guide for HUD employees and HUD third parties (which consists of lenders, assessors, independent validators, etc.) on CNA e-Tool authentication and authorization. Note: USDA federal employees and USDA's associated third parties will be included in a future access guide release.

The following ID credentials that are available are as follows:

- * HUD Employees: HUD ID (H ID) or Contractor ID (C ID)
- ❖ Lenders: Mortgagee Lender ID (M ID)
- ❖ Non Lender, Third Parties: Independent User ID (I ID)

2. HUD Employees

HUD employees will access the CNA e-Tool application with their H ID or C ID through the Secure Systems website on the HUD intranet at the following URL link: https://hudapps.hud.gov/ssmaster. H ID and C ID users can access the URL link above from the HUD intranet and from outside of the HUD environment, but they must enter their HUD credentials when prompted if not on the HUD network.

2.1 HUD Employee Authentication

H ID and C ID and passwords are the authentication credentials for HUD federal employees and contractor employees. HUD's Office of Security and Emergency Planning at http://www.hud.gov/offices/adm/about/admguide/osep.cfm can provide more information regarding the existing process for obtaining an H ID or C ID.



2.2 HUD Employee Authorization

- 1. The H ID User who requires access should send an email to their supervisor and request that they submit a CHAMP Business Applications Access Request Form on their behalf for the CNA E-TOOL P282.
 - The C ID User should send an email to their Government Technical Monitor (GTM) and request that they submit a CHAMP Business Applications Access Request Form on their behalf for the CNA E-TOOL P282.
 - (Note: The requester's supervisor/GTM must also request that the CHAMP form include Secure Systems-P104 if the requesting H ID User or C ID User does not already have Secure Systems access).
- 2. The requesting H ID User's supervisor or C ID User's GTM will submit the request using CHAMP. The request will be saved within HUD's Information Technology Service (HITS) National Help Desk System where it will be routed to the designated approving official. The approving official is responsible for approving access to the application request. If the approval is not approved within two weeks, then send an email to CNAaccess@hud.gov to let the System Administrator know.
- 3. The H ID User or C ID User and their requesting supervisor/GTM will receive an email once the approving official has taken an action on a request for application access.

CHAMP is located at http://useraccess.hud.gov/



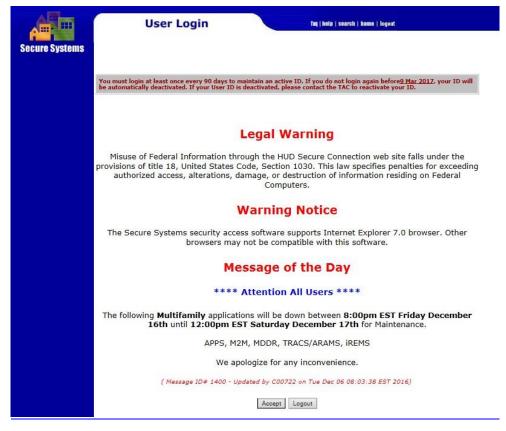
Note: HUD Federal and Contractor Employees must be authorized users of Secure Systems before they can use the CNA e-Tool Application. Secure Systems access requests can be submitted at the same time that requests for the CNA e-Tool are requested in CHAMP.

2.3 HUD Employees Accessing the CNA e-Tool from Secure Systems

After Secure Systems access and CNA roles have been granted, HUD federal and contractor employees will be able to login to Secure Systems at the following link: https://hudapps.hud.gov/ssmaster/.

After pressing the link above the user will be redirected to the following page that needs to be reviewed in detail.





After clicking the Accept button, the user will be redirected to the Secure Systems Main Menu which will list links to all applications that the user ID has been authorized to access.

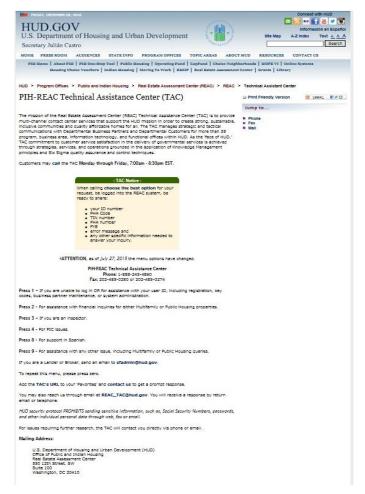




2.4 HUD Employees Secure Systems Help Desk Support

Help desk support for H ID and C ID users' application, authorization, and authentication questions for Secure Systems are provided by The Public and Indian Housing (PIH), Real Estate Assessment Center (REAC), Technical Assistance Center (TAC). The help desk can be reached by phone at 1-888-245-4860 and they are open from Monday through Friday, 7:00am - 8:30pm EST. H ID and C ID's become inactive (requiring reactivation) after 90 days of inactivity (without logging into Secure System). In addition, REAC-TAC can be reached at the public website located at:

http://portal.hud.gov/hudportal/HUD?src=/program offices/public indian housing/reac/support/tac



H ID users will become inactive (requiring Secure Systems reactivation) after 90 days of inactivity (without logging into Secure System). If this should occur the H ID user should open a ticket with REACTAC. This process should take no more than 24 business hours to resolve. If your account is not unfrozen within two weeks, then send an email to cNAaccess@hud.gov to let the System Administrator know.

C ID users will need to get their GTM to contact REAC-TAC on the contractor's behalf. It is possible that this may require a resubmission request using CHAMP.

When contacting the REAC-TAC help desk for User ID reactivation users will be asked to verify their Secure System information, which includes: User ID, Mother's Maiden Name, and the last four digits of



their Social Security Number. Terminated user ID's can be reactivated by contacting the REAC-TAC help desk by phone at 1-888-245-4860.

3 Lenders

How to Become an FHA-approved Lender

New lender applicants must complete an **online application** and attach the **required documents** in accordance with the **FHA Housing Policy Handbook** (Handbook 4000.1). In addition to submitting the required documentation, all lenders must confirm compliance through the **Initial Certification Statements**. Applicants must provide an explanation and supporting documentation for all negative responses.

Please do not create credentials until all documents are available to apply for FHA-approval. Once the account is created, the credentials will automatically expire after 120 days.

There are four types of FHA lender approval:

Nonsupervised Mortgagee: Lending institutions may apply for this type of approval if they want to: originate, underwrite, close, endorse, service, purchase, hold, or sell FHA-insured Mortgages.

Supervised Mortgagee: Banks, savings banks and credit unions may apply for this type of approval if they want to: originate, underwrite, close, endorse, service, purchase, hold, or sell FHA-insured Mortgages.

Government Mortgagee: Federal, state, or municipal government agencies, Federal Home Loan Banks, Freddie Mac or Fannie Mae may apply for this type of approval if they want to: originate, underwrite, close, endorse, service, purchase, hold, or sell FHA-insured Mortgages.

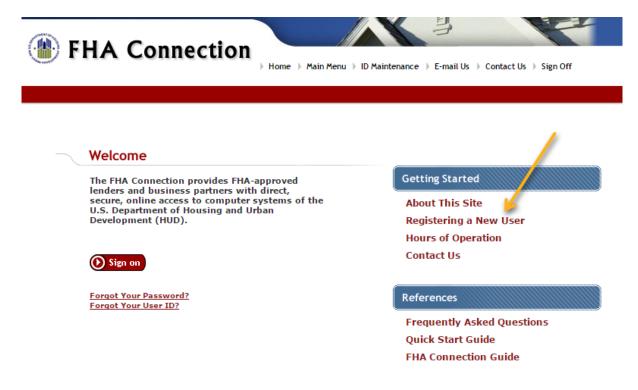
Investing Mortgagee: Organizations that want to invest funds under its own control may apply for this approval if they want to: purchase, hold, or sell FHA-insured Mortgages. An Investing Mortgagee may not originate, underwrite, or close FHA-insured Mortgages in its own name or submit applications for FHA mortgage insurance.

Lenders with questions who are currently preparing or planning to apply for FHA approval in the near future may contact the FHA Resource Center at answers@hud.gov or (800) 225-5342.

3.1 Lender Authentication

The very first thing an FHA-approved Lender should do is get an FHA Connection-issued M ID. Lenders will access the CNA e-Tool through FHA Connection (which is the portal for lenders). Lenders will have a company coordinator, and that person will grant/revoke access to the CNA e-Tool through FHA Connection. Lenders will login with their M ID and password in FHA Connection. Information on obtaining an M ID can be found under Registering a New User on the FHA Connection public site at https://entp.hud.gov/clas/index.cfm.





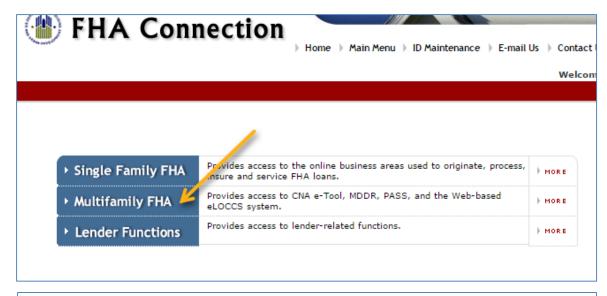
Warning! This computer system, including all related equipment, networks, and network devices (specifically including Internet access) contains data belonging to the U.S. Government, and is provided for authorized U.S. Government use only. Access requires the use of an authorized user account number and password, which is sensitive and must never

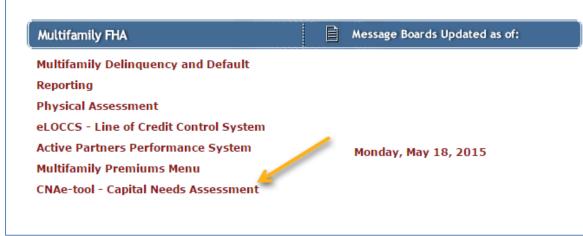
If the lender is running into issues with the FHA Connection registration process, then it is recommended that they read the link to this PDF which explains the registration procedure in elaborate detail: https://entp.hud.gov/pdf/mp_gs2_reguser.pdf

This link also discusses how a lender can register as a coordinator as well. The coordinator is responsible for assigning the viewer or submitter role to the M ID users within their own company. Prior to receiving the M ID the user may contact their coordinator to let them know that they need an M ID and whether they need a CNA e-Tool viewer or submitter role within the application. When FHA Connection issues the ID the system emails the user informing them their ID was issued. The coordinators are copied on that email so that the user then has the email address of their coordinator to facilitate future communication if needed.

Once the lender user receives their M ID from their company's coordinator, they can access the CNA e-Tool screen by signing on at the FHA Connection screen and navigating to the Multifamily main menu. From the Multifamily FHA menu, the user will be redirected to the Secure Systems login screen and will be required to enter their credentials again. At this time, single sign on between the FHA Connection and Secure Systems has not yet been implemented (therefore the user will need to sign on first to FHA Connection with their M ID and password; and again to Secure Systems with their M ID and password).









Note: M ID users should remember to login to both FHA Connection and Secure Systems at least once every 90 days to ensure that their M ID is not locked due to inactivity.



M ID Holders can access the CNA e-Tool application with their M ID through the Secure Systems website at the following link: https://hudapps.hud.gov/HUD Systems

3.2 Lender Authorization

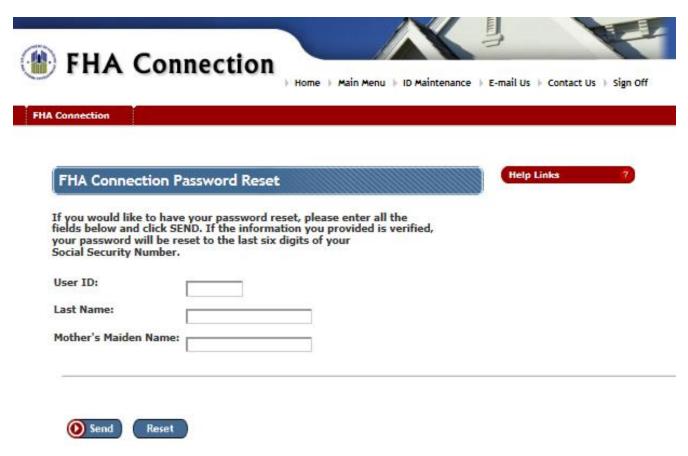
Lender CNA e-Tool Submitter or Viewer Roles are assigned to the user by their company's Lender Coordinator. Please refer to the FHA Connection user registration instructions for details.

3.3 Lender Help Desk Support

FHA Connection Issues

M ID holders receive assistance through the FHA Connection help desk email sfadmin@hud.gov, or they can be reached by phone at 1-800-CALL-FHA. Note: Terminated M ID's are reactivated by their company's Coordinator.

If the M ID user needs to reset their FHA Connection Password, then they should go to the following link: https://entp.hud.gov/clas/f17pwd_reset_input.cfm. If the lender user would like to have their password resent they will need to provide their M ID, Last Name, and Mother's Maiden Name and click the Send Button. The lender user's password will be reset to the last six digits of their SSN.



Note: M ID users should remember to login to FHA Connection at least once every 90 days to ensure that their M ID is not locked due to inactivity within FHA Connection.



Note that when the lender user updates their FHA Connection password it will also reset their Secure Systems password as well.

Secure Systems Issues

Help desk support for M ID users' who have issues with Secure Systems are provided by The Public and Indian Housing (PIH), Real Estate Assessment Center (REAC), Technical Assistance Center (TAC). The help desk can be reached by phone at 1-888-245-4860 and they are open from Monday through Friday, 7:00am - 8:30pm EST. M ID users must change their Secure Systems Passwords every 60 days. M ID's become inactive (requiring reactivation) after 90 days of inactivity (without logging into Secure System). In addition, PIH-REAC-TAC can be reached at the public website located at:

http://portal.hud.gov/hudportal/HUD?src=/program offices/public indian housing/reac/support/tac

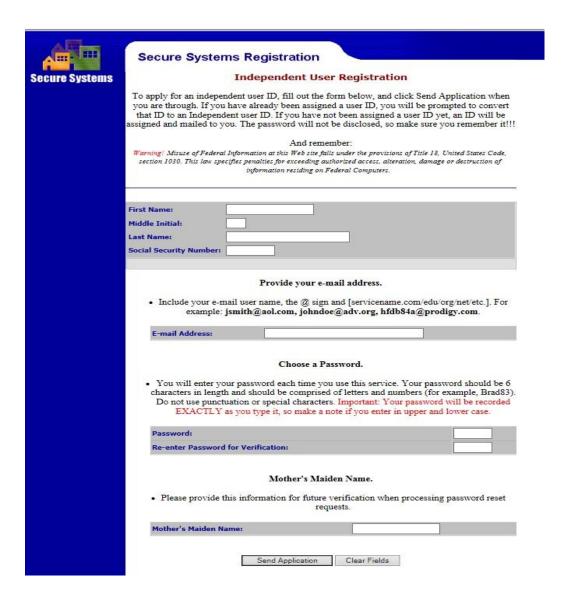




4 Non-Lender, Third-Party

4.1 Non-Lender, Third-Party Authentication

Assessors, independent validators, and other third party users who will be accessing the secure portion of CNA e-Tool application will need to obtain an I ID. To register for an I ID, the user must fill out an I ID registration form located at: https://hudapps.hud.gov/public/wass/public/independent/indreg_page.jsp



After registration, an I ID will be emailed to the requestor at the email address that they had provided on the registration form. The I ID User then must send an email to cNAaccess@hud.gov requesting access and roles for the CNA e-Tool application hosted within Secure Systems. The email request must include the newly issued I ID and the requestor's name however, it must not include the password the requesting user had filled out on the registration form. The password must remain to be known to the



requesting user only. The request should also contain the desired roles/actions the user will need to perform in the application.

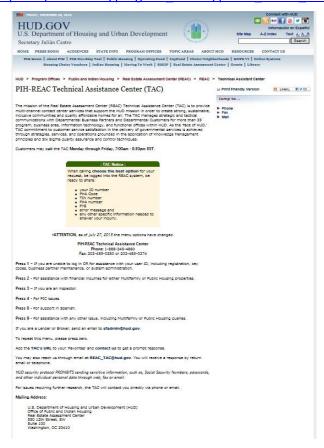
I ID Holders can access the CNA e-Tool application with their I ID through the Secure Systems website at the following link: https://hudapps.hud.gov/HUD Systems

4.2 Non-Lender, Third-Party Authorization

The HUD CNA e-Tool system administration will review the email request sent to the CNAaccess@hud.gov address and, if approved, will assigned the desired roles to the user's I ID using the Secure Systems User Administration function.

4.3 Non-Lender, Third-Party Help Desk Support

Help desk support for I ID users' application, authorization, and authentication questions are provided by The Public and Indian Housing (PIH), Real Estate Assessment Center (REAC), Technical Assistance Center (TAC). The help desk can be reached by phone at 1-888-245-4860 and they are open from Monday through Friday, 7:00am - 8:30pm EST. I ID users must change their Secure Systems Passwords every 60 days. I ID's become inactive (requiring reactivation) after 90 days of inactivity (without logging into Secure System). In addition, PIH-REAC-TAC can be reached at the public website located at: http://portal.hud.gov/hudportal/HUD?src=/program_offices/public_indian_housing/reac/support/tac



If the I ID user's Secure System password needs to be reset, then they should go to the following URL: https://hudapps.hud.gov/reac/wass/resetPwd.html and enter the required information:



*111 *	Secure Systems		
U.S. Dept. of Housing and Urban Development	RESET PASSWORD *Please note that all of the following fields are required.		
	User ID		
	First Name		
	Last Name		
	Social Security Number		
	Mother's Maiden Name		
	Your New Password will be sent to your current email address in Secure Systems. Reset Password		

5 Public Access to CNA Validation Page

The CNA Assessment Tool can be found on the CNA e-Tool web page at the following link: https://portal.hud.gov/hudportal/documents/huddoc?id=VERSION_1_2A_FINAL.XLS

Assessors and other users who wish to validate CNA assessment data can access the public validation website without credentials directly at http://webapps.hud.gov/CNAeTool/faces/CnaValidation



5.1 Help Desk Support for CNA Validation

If you have validation problems or questions with the assessment tool please send an email to cnaerool@Hud.gov and attach screen shots of the error messages or issues that you observe. In



addition, provide an explanation of the circumstances. Also provide your phone number, email, and any other contact information that you would like to provide.

6 Note about Personally Identifiable Information

During the registration and password reset processes you will be required to provide your Social Security Number (SSN) and your mother's maiden name to complete the registration or password reset processes. You may have concerns about providing that information on the Internet and are wondering why the forms require this sensitive personally identifiable information (PII).

According to government regulations, your SSN is required when trying to access a Federal computer system. HUD requires your SSN and mother's maiden name to verify your identity before processing the registration or password reset forms to issue you an ID or reset your password. The information is being entered into a secure environment and will be used exclusively for the registration or password reset processes.

Your SSN and mother's Maiden Name is considered PII. Your PII is protected by the Privacy Act of 1974, as amended (5 U.S. Code 552a). This information will only be used by Federal staff who hold positions of trust and who are specifically authorized to process your ID credentials or reset your password.

7 Note about sharing passwords and credentials

Users should never share their password or credential information with anyone (even if it is within your own company). This would be a violation of government regulations, and It increases the number of threats to HUD, Secure Systems, FHA Connection, and could potentially jeopardize your PII. If it is determined that misuse with your access credential has occurred there will be penalties and future access/credentials will be revoked. More information is provided within the Rules of Behavior which we ask that you please sign and email CNAaccess@hud.gov after you receive your credential.



Appendix A: CNA E-TOOL RULES OF BEHAVIOR

CNA E-TOOL RULES OF BEHAVIOR

SECTION I - RESPONSIBILITIES

This section describes what ROB are, why they are needed, what users can expect, and the consequences for violating the ROB.

What are Rules of Behavior?

Office of Management and Budget (OMB) Circular A-130 Appendix III requires every System Security Plan (SSP) to contain a Rules of Behavior (ROB). ROB apply to the system users and list specific responsibilities and expected behavior of all individuals with access to or use of the named information system. In addition, ROB outlines the consequences of non-compliance and/or violations.

Why are Rules of Behavior Needed?

ROB is part of a complete program to provide good information security and raise security awareness. ROB describes standard practices needed to ensure safe, secure, and reliable use of information and information systems.

Who is Covered by the Rules of Behavior?

The ROB covers all government and non-government users of the named information systems. This includes contract personnel and other federally funded users.

What are the Consequences for Violating the Rules of Behavior?

Penalties for non-compliance may include, but are not limited to, a verbal or written warning, removal of system access, reassignment to other duties, demotion, suspension, reassignment, termination, and possible criminal and/or civil prosecution.

SECTION II - APPLICATION AND ORGANIZATION RULES

This section identifies the Rules of Behavior measures that will apply to Capital Needs Assessment Electronic Tool end-users. Section 3.1 lists the most common and minimal set of ROB as recommended by NIST 800-18. Section 3.2 lists other ROB that may apply to your organization. Section 2h includes ROB for system administrators. Each section is discussed in detail below.

- A. Passwords
- 1. Passwords should be a minimum of eight characters, and be a combination of letters, numbers and special characters (such as *#\$ %). Dictionary words should not be used.
- Passwords will be changed at least every 90 days and should never be repeated. Compromised passwords will be changed immediately.
- 3. Passwords must be unique to each user and must never be shared by that user with other users. For example, colleagues sharing office space must never share each other's password to gain system access.
- 4. Users who require multiple passwords should never be allowed to use the same password for multiple applications.
- 5. Passwords must never be stored in an unsecured location. Preferably, passwords should be memorized. If this is not possible, passwords should be kept in an approved storage device, such as a Government Services Administration Security Container. If they are stored on a computer, this computer should not be connected to a network or the Internet. The file should be encrypted.
- B. Encryption
- 1. Extremely sensitive data should be encrypted prior to transmission.
- The sensitivity of the information needing protection, among other considerations, determines the sophistication of the encryption technology. In most circumstances, only the most sensitive or compartmentalized information should be encrypted.
- 3. Files that contain passwords, proprietary, personnel, or business information, and financial data typically require encryption before transmission, and should be encrypted while stored on the computer's hard disk drive.
- 4. Sensitive information that travels over wireless networks and devices should be encrypted.



C. Internet Usage

- 1. Downloading files, programs, templates, images, and messages, except those explicitly authorized and approved by the system administrator, is prohibited.
- 2. Visiting websites including, but not limited to, those that promote, display, discuss, share, or distribute hateful, racist, pornographic, explicit, or illegal activity is strictly prohibited.
- Because they pose a potential security risk, the use of Web based instant messaging or communication software or devices are prohibited.
- 4. Using the Internet to make non-work related purchases or acquisitions is prohibited.
- 5. Using the Internet to manage, run, supervise, or conduct personal business enterprises is prohibited.

D. Email

- 1. Except for limited personal use, non-work-related e-mail is prohibited. The dissemination of e-mail chain letters, e-mail invitations, or e-mail cards is prohibited.
- 2. E-mail addresses and e-mail list-serves constitute sensitive information and are never to be sold, shared, disseminated, or used in any unofficial manner.
- 3. Using an official e-mail address to subscribe to any non-work related electronically distributed newsletter or magazine is prohibited.

E. Working from Home/Remote Dial-up Access

All CNA E-TOOL users are responsible for attending annual IT Security certification training. Failure to attend will result in having system access privileges revoked.

- 1. Users may dial into the network remotely only if pre-approved by the system administrator.
- 2. Users must be certain to log-off and secure all connections/ports upon completion.
- 3. Users who work from home must ensure a safe and secure working environment free from unauthorized visitors. At no time should a "live" dial-up connection be left unattended.
- 4. Web browsers must be configured to limit vulnerability to an intrusion and increase security.
- Home users connected to the Internet via a broadband connection (e.g. DSL or a cable-modem) must install a hardware or software firewall.
- 6. No official material may be stored on the user's personal computer. All data must be stored on a floppy disk and then secured in a locked filing cabinet, locker, etc.
- 7. Operating system configurations should be selected to increase security.

F. Unofficial Use of Government Equipment

Except for limited personal use, government equipment including, but not limited to, fax machines, copying machines, postage machines, telephones, and computers are for official use only.

G. Other Rules of Behavior

To properly safeguard the Department's information assets while using information technology, it is essential for all employees to be aware of procedures for destroying sensitive information. Sensitive information within HUD that must be protected includes, but is not limited to, financial management information (budgeting, accounting, etc.); investigative information; contract sensitive information (pre-solicitation procurement documents, statements of work, etc.); and security management information (i.e., identification of systems security controls and vulnerabilities).

Of particular concern is Personally Identifiable Information (PII), which includes social security numbers, names, dates of birth, places of birth, parents' names, credit card numbers, applications for entitlements, and information relating to a person's private financial, income, employment, tax records, etc.

To assist you in determining what type of information should be considered sensitive, here are a few examples:

- Personnel data
- Travel vouchers
- Procurement documents
- 4. Statements of Work or related procurement documents
- 5. Loan applications or files
- 6. Grant applications or files
- COOP data



The May 25, 2006 memorandum from the Deputy Secretary and the June 6, 2006 broadcast email from the CIO to all HUD employees stated "Protect all electronic/optical media and hard copy documentation containing sensitive information and properly dispose of it by shredding hard copy documentation, or by contacting the HITS Help Desk to dispose of electronic/optical media".

In each Regional Office a location will be set up, in the Information Technology Division, where media containing sensitive data will be destroyed.

Please use the following procedures to properly destroy sensitive data stored on electronic/optical media that are no longer in need of maintaining:

1. Contact your supporting IT staff if you need media destroyed that contains sensitive information (CDs, DVDs, flash drives, Personal Verification Cards (PVC), external hard drives, etc.) and you will be provided with instructions.

In addition, absolutely no media containing sensitive information will be sent through the mail or released from the Department.

- 1. Using system resources to copy, distribute, utilize, or install unauthorized copyrighted material is prohibited.
- Users who no longer require IT system access (as a result of job change, job transfer, or reassignment of job responsibilities) must notify the system administrator.
- 3. When not in use, workstations must be physically secured. Users must also log-off or turn-off the system.
- Screen-savers must be password protected.
- 5. Movable media (such as diskettes, CD-ROMs, and Zip disks) that contain sensitive and/or official information must be secured when not in use.
- 6. Altering code, introducing malicious content, denying service, port mapping, engaging a network sniffer, or tampering with another person's account is prohibited.
- 7. If a user is locked out of the system, the user should not attempt to log-on as someone else. Rather, the user should contact the system administrator.

H. Additional Rules of Behavior for CNA e-TOOL System Administrators

CNA e-TOOL system administrators have a unique responsibility above and beyond that of regular users. In addition to being regular system users, they also have special access privileges that regular users do not have. Therefore, they need to be susceptible to additional Rules of Behavior over and above the common user.

- CNA e-TOOL System administrators may only access or view user accounts with the expressed consent of the user and/or management.
- 2. CNA e-TOOL System administrators may not track or audit user accounts without the expressed consent of the user and/or management.
- 3. CNA e-TOOL System administrators must make every reasonable effort to keep the network free from viruses, worms, Trojans, and unauthorized penetrations.
- 4. It is the CNA e-TOOL system administrators' responsibility to account for all system hardware and software loaned to system users for the execution of their official duties.
- CNA e-TOOL system administrators are responsible for attending annual IT Security certification training. Failure to attend will result in having system access privileges revoked.



SECTION III - ACKNOWLEDGMENT

Prior to receiving authorization for CNA E-TOOL system access, every user should read and sign the ROB (this applies to system administrators since they are also "users" of the system). By signing the signature page, the user agrees to abide by the ROB and understands that failure to do so might be grounds for disciplinary action. Please retain a signed copy of the ROB for your personal records and submit the original signed copy to the CNA E-TOOL System Administrator for your local office.

I have read and understand the Rules of Behavior (ROB) governing my use of the Capital Needs Assessment Electronic Tool (CNA E-TOOL) and agree to abide by them. I understand that failure to do so may result in disciplinary action being brought against me.

brought against me.	
NAME (PRINT)	ORGANIZATION
SIGNATURE	DATE SIGNED

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